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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

A = 1; - = 42 = = 12	T			
Applicant's or agent's file reference	FOR FURTHER ACTION See Form PCT/IPEA/416			
P358PC00				
International application No.	International filing date	day/month/year)	Priority date (day/month/year)	
PCT/SE2003/000011 08-01-2003 -				
International Patent Classification (IPC)	or national classification ar	d IPC		
G01S 5/14, G01S 5/00				
Applicant				
Envirotainer Engineer	ing AB et al			
This report is the international pre-	eliminary evamination ren	ant agrablished by thi	is International Preliminary Examining	
Authority under Article 35 and tr	ansmitted to the applicant	according to Article	36.	
2. This REPORT consists of a total	of 5 sheets	, including this cover	r sheet.	
This report is also accompanied b	y ANNEXES, comprising			
a. (sent to the applicant	and to the International B	<i>'ureau)</i> a total of	sheets, as follows:	
sheets of the	description, claims and/or	drawings which have	been amended and are the basis of this report	
and/or sheets	containing rectifications a	uthorized by this Au	thority (see Rule 70.16 and Section 607 of the	
sheets which	supersede earlier sheets, b	ut which this Author	ity considers contain an amendment that goes	
beyond the disconnected Supplementa	isclosure in the internation	al application as filed	l, as indicated in item 4 of Box No. I and the	
r 1				
b. (sent to the Internation			number of electronic carrier(s))	
, containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the				
Administrative Instructions).				
4. This report contains indications re	elating to the following iter	ns:		
Box No. I Basis o	f the report			
Box No. II Priority				
Box No. III Non-es	tablishment of opinion wit	th regard to novelty, inventive step and industrial applicability		
Box No. IV Lack of	funity of invention			
Box No. V Reason	ed statement under Article	35(2) with regard to	novelty, inventive step or industrial	
	bility; citations and explan documents cited	ations supporting suc	ch statement	
Box No. VII Certain defects in the international application				
Box No. VIII Certain observations on the international application				
Date of submission of the demand		Date of completion	of this report	
		•	•	
05-08-2004		04-04-2005		
Name and mailing address of the IPEA/SE		Authorized officer		
Patent- och registreringsverket Box 5055			i	
S-102 42 STOCKHOLM		Gordana Ni	nkovic/MN	
Facsimile No. +46 8 667 72 88			8 782 25 00	

Form PCT/IPEA/409 (cover sheet) (January 2004)

Bo	x No. I	Basis of the report	
1.	With	regard to the language, this report is based on the international application in the language in which it was filed, unwise indicated under this item.	ıles
	Ш	This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of:	
		international search (under Rules 12.3 and 23.1(b))	
		publication of the international application (under Rule 12.4)	
		international preliminary examination (under Rules 55.2 and/or 55.3)	
2.	,	regard to the elements of the international application, this report is based on (replacement sheets which have be shed to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filter not annexed to this report):	een 'ed'
	\bowtie	the international application as originally filed/furnished	
	Ш	the description:	
		pages as originally filed/furnished	i
		pages* received by this Authority on	
		pages* received by this Authority on	
	Ш	the claims:	
		pages as originally filed/furnished	l
		pages* as amended (together with any statement) under Article 1	9
		pages* received by this Authority on	
	_	received by this Authority on	
	Ш	the drawings:	
		pages as originally filed/furnished	
		leceived by this Authority on	
		. Cock of by this Authority on	
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.	
3.		The amendments have resulted in the cancellation of:	
		the description, pages	
		the claims, Nos.	
		the land to the	
		the drawings, sheets/figs the sequence listing (specify):	
		any table(s) related to the sequence listing (specify):	
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not be made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Ru 70.2(c)).	en ile
		the description, pages	ļ
		the claims. Nos.	
		the claims, Nos	ł
		the drawings, sheets/figs	
		the sequence listing (specify):	
		any table(s) related to the sequence listing (specify):	
* .	lf item 4	4 applies, some or all of those sheets may be marked "superseded."	

Bo	x No. V	Reasoned statem citations and exp	ent under Article 3 lanations supporti	5(2) with regard to novelty, inventive stong such statement	ep or industrial applicability;	
1.	Statement					
	Novelt	ty (N)	Claims Claims	1-14		YES NO
	Inventi	ive step (IS)	Claims Claims	1-14		YES NO

2. Citations and explanations (Rule 70.7)

Industrial applicability (IA)

Documents cited in the International Search Report:

Claims

Claims

A US 2002017989 Al (IAN J.FORSTER ET AL), 14 February 2002

1-14

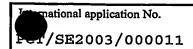
- B US 2001052850 Al (HARRY I.ZIMMERMAN), 20 December 2001
- C EP 0984418 A2 (N.V. NEDERLANDSCHE APPARATENFABRIEK NEDAP),
- 8 March 2000
- D 2002057192 Al (JAMES G.EAGLESON ET AL), 16 May 2002

Document A is reconsidered to represent the state of the art, together with documents B-D.

Present invention discloses a tracking device for obtaining container position information, which is communicated wirelessly to a remote site. It is determined if the container is in proximity to an aircraft by detection of electromagnetic field, and if so, the communication is disabled. Reactivating the communication is allowed if simultaneously electromagnetic field is detected and the tracking device is able to determine a container position.

Document A discloses a method for deactivation of fieldemitting electronic device upon detection of a transportation vessel, such as aircraft. The electronic device contains a field-emitting device that may interfere with the transportation vessel systems. The electronic device capable of deactivating the power from the field-emitting device when the transportation vessel is detected, so that the field-emitting device does not interfere with transportation vessel.

.../...



Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: Box V

The electronic device, comprising a control unit, may be coupled to one or more sensors that are used to determine if the electronic device is proximate to the transportation vessel, so that the field-emitting device can be decoupled from power. In one embodiment, the electronic device contains also a tracking device and is associated with a container for shipping of goods. The tracking device receives information regarding the location of the container, and the electronic device communicates this information for tracking purposes. The tracking device may be a field-emitting device that is decoupled from power when the proximity of a transportation vessel is detected.

The field-emitting device can also be reactivated when some conditions are fulfilled.

For example, when positioning information is received successfully again by the tracking device, after previous deactivation, the field-emitting device is reactivated and resumes the transmission of positioning information concerning the location of the electronic device to the remote site.

In the other case, the control unit determines if the electronic device is outside the proximity of the aircraft by checking status of sensors and waits until the electronic device is outside the proximity of the aircraft, at which time the electronic device reactivates previously deactivated field-emitting device.

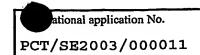
In the third case, the control unit determines if the electronic device is to be disabled for a specified period of time. Then, the control unit waits until the specified time has lapsed before the electronic device reactivates previously deactivated field-emitting device. The control system can also determine if the deactivation period should be based on the itinerary of the electronic device. For instance, the desired period of deactivation may extend until the aircraft is scheduled to land or reach its final destination. Even combination of different events is possible.

(See paragraphs 0006-0008; 0064-0068; fig. 1-3,7).

However, none of the cited documents discloses a device and a method where the selection of two proximity methods are combined in a decision for reactivation and where the first proximity method is based on measuring electromagnetic fields from the aircraft, and the other is measuring any contact with any external positioning system.

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INTERNATIONAL PREDIMINARY REPORT ON PATENTABILITY



Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: $Box\ V$

In view of the cited documents such a method and a device cannot be considered obvious to a person skilled in the art.

Therefore the invention claimed in claims 1 - 14 is novel and considered to involve an inventive step.

The invention is considered to be industrially applicable.